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Notice of Allowability	Application No.	Applicant(s)	
	09/976,504	PARRUCK ET AL.	
	Examiner	Art Unit	
	Duc T. Duong	2616	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 4/13/07.
2. ☒ The allowed claim(s) is/are 26-28 and 45-58; now renumbered 1-17, respectively.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material

5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 2-31-07
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in an interview with Alyssa Finamore on July 31, 2007.

2. The application has been amended as follows:

In claim 26, lines 19-20, removed the phrase "the first bus interface of the second" and inserted --the second bus interface of the second--.

In claim 26, line 21, removed the phrase "the second bus interface of the second" and inserted --the first bus interface of the second--.

The above examiner's amendment was made to place the claim in condition of allowance.

Allowable Subject Matter

3. Claims 26-28 and 45-58 allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record fails to teach or make obvious the steps of or means for **"wherein network information of the first flow is stored by the first integrated circuit in a plurality of first buffers, all of the first buffers having the same size, the control integrated circuit controlling the first flow of network information out of the first integrated**

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circuit by supplying an indication of a first buffer to the first integrated circuit via the control interface of the first integrated circuit such that the first integrated circuit retrieves the contents of the first buffer and outputs the contents from the first integrated circuit”, when such flow of network information is considered within the specific structure of the device recited in claim 26. The prior art of record fails to teach or make obvious the steps of or means for **“an aggregation integrated circuit having a first bus interface coupled to the second bus interface of the first integrated circuit, a second bus interface coupled to the second bus interface of the second integrated circuit, and a third bus interface through which the first and second flows of network information pass”,** when circuit is considered within the specific structure of the device recited in claim 45. The prior art of record fails to teach or make obvious the steps of or means for **“a distribution circuit having a first bus interface coupled to the first bus interface of the first integrated circuit, a second bus interface coupled to the first bus interface of the second integrated circuit, and a third bus interface into which the first and second flows of network information pass”,** when circuit is considered within the specific structure of the device recited in claim 48. The prior art of record fails to teach or make obvious the steps of or means for **“a control integrated circuit coupled to the first integrated circuit and to the second integrated circuit, the first integrated circuit supplying the first sequence number to the control integrated circuit, the second integrated circuit supplying the second sequence number to the control integrated circuit, the control integrated circuit using the first and second sequence numbers to determine**

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which packets of which flows have been received onto which of the first and second integrated circuits”, when circuit is considered within the specific structure of the device recited in claim 53. The prior art of record fails to teach or make obvious the steps of or means for **“the first integrated circuit and the plurality of data path integrated circuits and the second integrated circuit are all disposed on a single line card”**, when line card is considered within the specific structure of the device recited in claim 58.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Duc T. Duong whose telephone number is 571-272-3122. The examiner can normally be reached on M-F (9:00 AM-6:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on 571-272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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WING CHAN
SUPERVISORY PATENT EXAMINER